GN02123

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IN THE CLAIMS

Please amend the claims as follows.

1-27 (canceled)

28. (new) A method for modifying a transformation T that transforms first colorants in a first device dependent colorant space into second colorants in a second device dependent colorant space, the method comprising the steps of:

selecting at least one set of colorants in said first colorant space;

transforming said set of colorants from said first to said second colorant space using said transformation T to obtain a set of transformed colorants;

having at least one of the transformed set of colorants modified by a user; and

automatically adjusting the transformation T so that a modified colorant set retains at least one psychovisual or psychophysical quantity related to the set of transformed colorants.

- 29. (new) The method according to claim 1, further including the step of eliminating at least one undesired colorant.
- 30. (new) The method according to claim 1, wherein said at least one set of colorants is made from primary or secondary colors.
- 31. (new) The method according to claim 1, wherein said method is user interactive.
- 32. (new) The method according to claim 1, wherein said first colorant space corresponds with a printing device and said second colorant space corresponds with a proofing device.

GN02123 PATENT

33. (new) The method according to claim 1, wherein said first colorant space corresponds with a first CMYK ink set and said second colorant space corresponds with a second CMYK ink set different from said first CMYK ink set.

- 34. (new) The method of claim 1 further including a step of converting an image represented in said first colorant space into an image represented in said second colorant space using said modified transformation.
- 35. (new) An interpolation table for converting first colorants in a first device dependent colorant space into second colorants in a second device dependent colorant space different from said first space, said interpolation table comprising a transformation obtained using the method of claim 1.